Bev-MAXX

Polyethersulfone for Food & Beverage Sterilization

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Absolute-rated and integrity tested membrane** provides reliable, consistent and repeatable filtrate to ensure microbiological stability
- **Low pressure drops** yield higher flow rates and reduced processing time
- **Non-fiber shedding polypropylene support materials** eliminate fiber migration
- **Maximum pleat design** for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs
- **High strength design** allowing for extended use and multi autoclave and hot water sanitization cycles
- **316 stainless steel insert** standard
- **All materials are listed** in Title 21 of the US Code of Federal Regulations 177–182
- **Component materials meet the biosafety criteria** of the USP reactivity test for Class VI plastics
- **Component materials meet the "non-fiber releasing" criteria** as defined in 21 CFR 210.3 (b) (6)
- **BEV-MAXX cartridges are manufactured** in a facility whose quality management system is approved by an accredited registering body to the ISO 9001:2008 standard
- **BEV-MAXX cartridges are 100% integrity tested** and DI flushed



PRODUCT DESCRIPTION

Strainrite's Bev-MAXX pleated membrane filters are specifically engineered to provide an absolute barrier to beverage spoiling micro-organisms. The Bev-MAXX incorporates a highly asymmetric polyethersulfone membrane within our exclusive pleat support configuration creating one of the industry's most rugged yeast removal filters. This exceptionally robust filter design means filter performance will remain effective after multiple steam sterilization cycles.

Every Bev-MAXX filter is integrity tested and flushed with high purity water to assure product performance and purity. Integrity test parameters have been correlated to microbiological retention for all of our membrane filters (refer to microbiological performance chart).

RETENTION RATING
0.2, 0.45, 0.65 µm

APPROXIMATE SURFACE AREA
7 square feet per 10" equivalent

OUTSIDE DIAMETER
2.7" (6.87cm)

MAXIMUM DIFFERENTIAL PRESSURE
Forward: 75 psid (5.1 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)
Reverse: 50 psid (3.4 bar) @ 75°F (24°C)

PRODUCTION PROCESS
Thermal Bond

MAXIMUM OPERATING TEMPERATURE
180°F (82°C) Continuous Duty

PLEAT SUPPORT
Polypropylene

FILTER MEDIA
Polyethersulfone

CAGE/CORE/ENDCAPS
Polypropylene

TOXICITY
Cartridge materials meet USP Class VI and FDA CFR 21 for food and beverage contact

SEALS
EPDM | Silicone

REINFORCING RING
316 Stainless Steel

PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton |
30 inch - 12 per carton | 40 inch - 9 per carton

LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

STERILIZATION
Cartridge can be sterilized via steam or Autoclave: 20 times at 275°F (135°C)
Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

SPECIFICATIONS

SCAN FOR MORE INFO

v 1026

ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	PLEAT SUPPORT	END CAP	GASKET / O-RING
BVM I Bev-MAXX	0.2 µm 0.45 µm 0.65 µm	5" 10" 20" 30" 40"	**PP** I Polypropylene	**C3** = Flat/222 **C6** = Flat/226 **C7** = Fin/226 **C8** = Fin/222	**S** = Silicone **E** = EPDM

BVM → 0.2 (MICRON RATING) – 20 (CARTRIDGE LENGTH) → PP (PLEAT SUPPORT) → C3 (END CAP CONFIGURATION) → E (GASKET / O-RING MATERIALS) → **BVM0.2-20PPC3E**